

Associate of Science Degree – Pre-Engineering

The Associate of Science degree in Pre-Engineering is designed for students who wish to pursue a bachelor's degree in an engineering field at a four-year college or university. UACCB's A.S. degree in Pre-Engineering consists of 35 credit hours of general education requirements and 25 credit hours of college-level courses to complete the degree.

A.S. – Pre-Engineering (60 hours)

CORE REQUIREMENTS IN GENERAL EDUCATION

English/Communications – Nine (9) hours required

- ENG 1103 English Composition I
- ENG 1203 English Composition II
- SPC 1003 Oral Communication

Mathematics – Three (3) hours required

- MTH 1023 College Algebra
- Or any higher level math course.*

Life/Physical Sciences – Eight (8) hours required

- CHM 1103/1101 College Chemistry I/Lab
- BIO 1103/1101 Biology for Majors/Lab

Fine Arts/Humanities – Six (6) hours required

At least three (3) hours required from the following:

- FAM 2003 Music
- FAT 2013 Theater
- FAV 2023 Visual Art

At least three (3) hours required from the following:

- ENG 2113 World Literature I
- ENG 2213 World Literature II
- PHI 1003 Introduction to Philosophy

Social Sciences – Nine (9) hours required

At least three (3) hours required from the following:

- HIS 1013 World Civilization I
- HIS 1023 World Civilization II

At least three (3) hours required from the following:

- HIS 2003 United States History I
- HIS 2013 United States History II
- POS 2103 United States Government

Three (3) hours required from the following:

- ECN 2013 Macroeconomics

Major Electives – Thirteen (13) hours required

- MTH 2033 Introduction to Engineering[#]
- MTH 2005 Calculus I[#]
- MTH 2015 Calculus II[#]

Electives – Twelve (12) hours required

To complete the elective component of the degree, students may select from the following list any 12 hours of college-level credit not previously selected for general education requirements above. Students should be aware of degree requirements at institutions to which they may transfer and should take a relevant selection of courses to be chosen with the approval of their advisor.

- GEL 1003/1001 Physical Geology/Lab
- BIO 2203/2201 Microbiology/Lab
- CHM 1013/1011 Concepts of Chemistry/Lab
- CHM 1123/1121 College Chemistry II/Lab
- MTH 1013 Trigonometry
- MTH 2023 Calculus III[#]
- MTH 2053 Statistics

Students should work with an advisor to select courses most relevant to their plans for transfer.

[#] Courses available through either UACCB or the online STEM-Prep program offered by the University of Arkansas – Fayetteville.